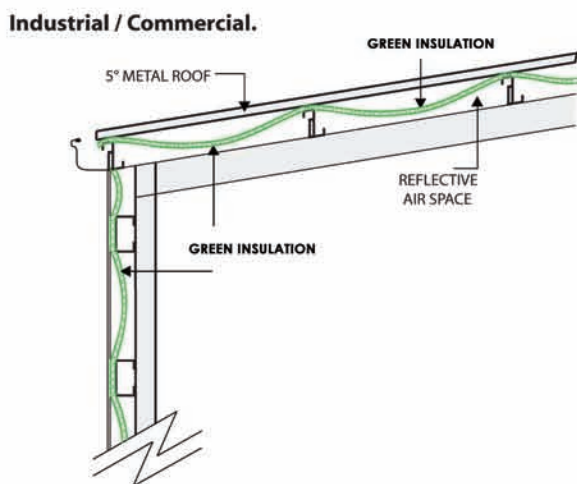
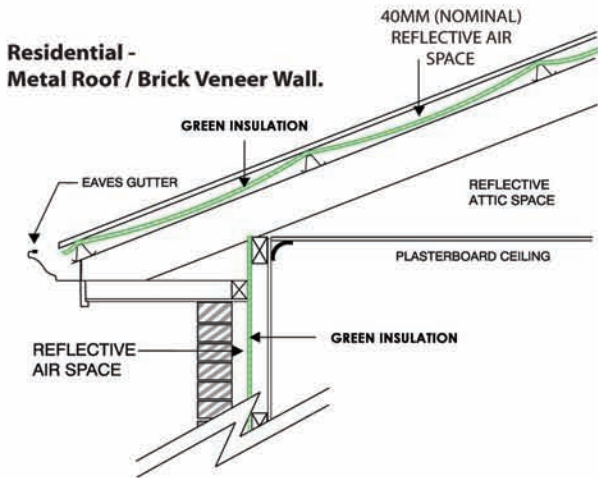
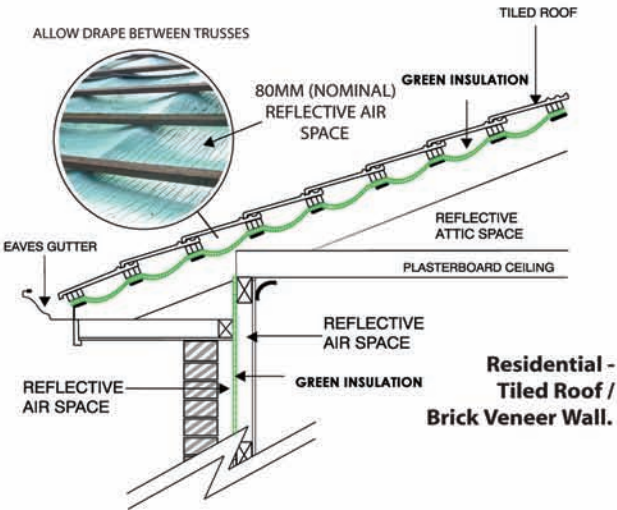


# Reflecta-Shield™



R-Values extracted from Reports by Gilmore Engineers - e3k

*Om. mehta*

01-05-2008

Chirag Mehta - M.E. (Chemical)  
Research & Development Engineer  
Green Insulation™ Pty Ltd.

Code	RC1154
Silver side Emittance	0.05
Antiglare side Emittance	0.10
Roll Size	1.5m x 20m (30m <sup>2</sup> )
Roll Diameter	330mm
Product Thickness	4.4mm
Roll Weight	13.0kg

## Total R - Values (m<sup>2</sup>K/W)

### 18° Pitch Metal Roof (residential)

		Summer	Winter
Ventilated	40mm a/s	2.6	1.2
Unventilated	40mm a/s	2.3	1.4
Cathedral Ceiling	40/90mm a/s	2.4	1.4

### 18° Pitch Tile Roof (residential)

Ventilated	40mm a/s	2.6	1.2
Unventilated	40mm a/s	2.3	1.4
Ventilated	80mm a/s	2.7	1.2
Unventilated	80mm a/s	2.4	1.4
Cathedral Ceiling	40/90mm a/s	2.5	1.4

### Commercial Roof

5° Metal with Ceiling	40/90mm a/s	2.6	1.3
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### Walls

Vinyl Cladding	20/90mm a/s	2.2	2.2
Weatherboard	20/90mm a/s	1.7	1.7
Brick Veneer	50/90mm a/s	1.9	1.8
Metal	25/90mm a/s	1.7	1.7
Hollow Concrete Panel	40/20mm a/s	1.8	1.8
Double Brick	20/20 mm a/s	1.7	1.7
Concrete Block	40/20mm a/s	1.8	1.8
Concrete Panel	40/20mm a/s	1.7	1.7
Reverse Brick Veneer	50/90mm a/s	1.8	1.8

### Floor (enclosed)

Timber Floor	40mm a/s	1.1	2.1
Concrete Floor	40mm a/s	1.1	2.1

(a/s = Airspace)



*Ray Hope*

01-05-2008

Dr Ray Hope - B.E. (Mech - Hons), Ph.D  
Vice - President  
Gilmore Engineers - e3k

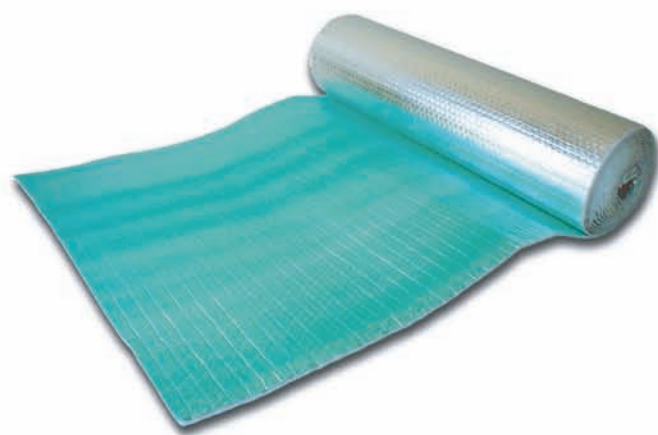


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# Product Testing

## Reflecta-Shield™

Thermal Performance	AS/NZS 4859.1 - 2002
Corrosion & Oxidisation Resistance	Patented (Green Side)
Anti - Slip	Patented (Green Side)
Flammability	AS/NZS 1530.2 - 1993 ≤ 5
Ignitability	AS/NZS 1530.3 - 1999
Spread of Flame	AS/NZS 1530.3 - 1999
Heat Evolved	AS/NZS 1530.3 - 1999
Smoke Developed	AS/NZS 1530.3 - 1999
Product Emittance (Green Side)	0.10
Product Emittance (Silver Side)	0.05
Textile Testing	Extra Heavy Duty
Dry Delamination	AS/NZS 4201.1 - 1994
Wet Delamination	AS/NZS 4201.2 - 1994
Shrinkage	AS/NZS 4201.3 - 1994
Water Barrier	AS/NZS 4201.4 - 1994
Water Absorbency	AS/NZS 4201.6 - 1994
Vapour Transmission	ASTM E96 - 2000
Edge Tear	AS 4200.1 - 1994
Burst Strength	AS 3706.4 - 2001
Acoustic	ISO 354-2003 AS ISO 11654-2002 AS 1191-2002 AS/NZS ISO 717.1:2004



### For Further Information

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